

# INTERNET COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  SMWFP6285829	<b>FOR FURTHER ACTION</b>  see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/EP2005/002870	International filing date (day/month/year)  17/03/2005	(Earliest) Priority Date (day/month/year)  25/03/2004
Applicant  GENIZON SVENSKA AB		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2005/002870

## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - ☒ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☒ in written format
    - ☒ in computer readable form
  - c. time of filing/furnishing
    - ☐ contained in the international application as filed
    - ☐ filed together with the international application in computer readable form
    - ☒ furnished subsequently to this Authority for the purpose of search
2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/002870

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 316 229 B1 (LIZARDI PAUL M ET AL) 13 November 2001 (2001-11-13) abstract; figure 30 column 66, lines 40-44 column 4, lines 50-65 column 44, line 21 - column 45, line 14 column 5, lines 12-15 column 19, lines 25-41 column 34, lines 22-67 column 24, lines 42-53 column 48, lines 39-67 column 32, lines 36-46	1-45
X	US 6 274 320 B1 (ROTHBERG JONATHAN M ET AL) 14 August 2001 (2001-08-14)	32-38
Y	columns 10-11; figure 1 column 7, lines 8-10	1-31, 45
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

22 September 2005

Date of mailing of the international search report

29/09/2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/054396 A1 (WEINER MICHAEL P) 20 March 2003 (2003-03-20)	32-38
Y	paragraphs '0018! - '0022!, '0103! -----	1-31,45
X	HATCH A ET AL: "Rolling circle amplification of DNA immobilized on solid surfaces and its application to multiplex mutation detection" GENETIC ANALYSIS: BIOMOLECULAR ENGINEERING, ELSEVIER SCIENCE PUBLISHING, US, vol. 15, no. 2, April 1999 (1999-04), pages 35-40, XP004223009 ISSN: 1050-3862	32-38
Y	abstract; figure 1 -----	1-31,45
X	WO 90/04652 A (DNAX RESEARCH INSTITUTE OF MOLECULAR AND CELLULAR) 3 May 1990 (1990-05-03)	39-44
Y	abstract; figure 1 page 3, paragraph 3 - page 10, paragraph 2 -----	1-31,45
X	US 6 270 961 B1 (DRMANAC RADOJE) 7 August 2001 (2001-08-07)	39-44
Y	abstract; examples 1,15,18 column 2, lines 50-56 column 3, lines 15-21 -----	1-31,45
X	US 2003/036084 A1 (HAUSER BRIAN ET AL) 20 February 2003 (2003-02-20)	39-44
Y	examples 1-4 -----	1-31,45
X	MIRZABEKOV A D: "DNA SEQUENCING BY HYBRIDIZATION -A MEGASEQUENCING METHOD AND A DIAGNOSTIC TOOL?" TRENDS IN BIOTECHNOLOGY, ELSEVIER, AMSTERDAM,, GB, vol. 12, no. 1, January 1994 (1994-01), pages 27-32, XP000670232 ISSN: 0167-7799	39-44
Y	pages 27-28 -----	1-31,45
A	LADNER D P ET AL: "MULTIPLEX DETECTION OF HOTSPOT MUTATIONS BY ROLLING CIRCLE-ENABLED UNIVERSAL MICROARRAYS" LABORATORY INVESTIGATION, UNITED STATES AND CANADIAN ACADEMY OF PATHOLOGY, BALTIMORE,, US, vol. 81, no. 8, August 2001 (2001-08), pages 1079-1086, XP009047131 ISSN: 0023-6837 the whole document -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No  
PCT/EP2005/002870

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6316229	B1	13-11-2001	NONE	
US 6274320	B1	14-08-2001	AU 7582000 A CA 2384510 A1 EP 1212467 A2 JP 2003514514 T WO 0120039 A2 US 2002012933 A1	17-04-2001 22-03-2001 12-06-2002 22-04-2003 22-03-2001 31-01-2002
US 2003054396	A1	20-03-2003	WO 03029491 A1	10-04-2003
WO 9004652	A	03-05-1990	EP 0439550 A1 JP 4501362 T	07-08-1991 12-03-1992
US 6270961	B1	07-08-2001	US 5695940 A	09-12-1997
US 2003036084	A1	20-02-2003	NONE	